



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



JAN 9 2013

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**  
**District Facility # N-355**  
**Project # N-1123695**

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. General Mills Operations, Inc is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct N-355-2-11 and '5-7 into the Title V operating permit. This project was to remove a scalper and dust collector system from the cereal manufacturing line under permit N-355-2, and install a new bagging and packaging line to the existing cereal packaging system under permit N-355-5.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-355-2-11 and '5-7, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

  
David Warner  
Director of Permit Services

Enclosures

**Seyed Sadredin**

Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



JAN 9 2013

Wade Broughton  
General Mills Operations, Inc  
2000 W Turner Road  
Lodi, CA 95242

**Re: Notice of Minor Title V Permit Modification  
District Facility # N-355  
Project # N-1123695**

Dear Mr. Broughton:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authorities to Construct N-355-2-11 and '5-7 into the Title V operating permit. This project was to remove a scalper and dust collector system from the cereal manufacturing line under permit N-355-2, and install a new bagging and packaging line to the existing cereal packaging system under permit N-355-5.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-355-2-11 and '5-7, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner  
Director of Permit Services

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## **Title V APPLICATION REVIEW Minor Modification**

**Facility Number:** N-355  
**Facility Name:** General Mills Operations, Inc  
**Mailing Address:** 2000 W Turner Road  
Lodi, CA 95242

**Contact Name:** Wade Broughton  
**Phone and Fax:** (209) 334-7090

**Responsible Official:** Jason Schierling  
**Title:** Plant Manager

**Processing Staff:** Jag Kahlon  
**Project Number:** N-1123695  
**Date:** December 10, 2012

### **I. PROPOSAL**

General Mills has proposed to incorporate Authority to Construct permits (ATCs) N-355-2-11 and '-5-7 into their Title V operating permit. These ATCs were issued without Certificate of Conformity (COC). The modifications to each permit are as follows:

#### N-355-2: Cereal Manufacturing (Puff I) Line

- Remove a scalper system and associated dust collection system AC-53 (Flex-Kleen Model 58WSBC144-III)
- No changes to the emission limit are proposed since other scalping capacity exists.

#### N-355-5: Cereal Packaging System

- Install an additional bagging and packaging line, designated as "Line 4", to be served by the AC-53 dust collector removed from unit '-2.

The purpose of this document is to identify all applicable requirements, determine if the facility will comply with the applicable requirements, and to provide the legal and factual basis for revising/including new permit conditions that were established under Permits to Operate (PTOs) N-355-2-10 and '-5-5.

### **II. FACILITY LOCATION**

This facility is located at 2000 W Turner Road, Lodi, California.

### **III. EQUIPMENT DESCRIPTION**

N-355-2-12:

CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM

N-355-5-8:

CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), LINE 4 BAGGING AND PACKAGING SERVED BY A FLEX-KLEEN MODEL 58USBC144-III DUST COLLECTOR (AC-53), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

### **IV. SCOPE OF EPA AND PUBLIC REVIEW**

The proposed project is a Minor Modification to the Title V permit because no relaxation was given to the existing monitoring, recordkeeping or reporting requirements, and the ATC project N-1123045 (under which ATCs N-355-2-11 and '5-7 were issued) was not an SB-288 or Federal major modification under Rule 2201. Therefore, public review is not required.

### **V. APPLICABLE REQUIREMENTS**

Rule 2520    Federally Mandated Operating Permits (6/21/01)

### **VI. DESCRIPTION OF PROPOSED MODIFICATIONS**

This section details the modifications made to the permit conditions in PTOs N-355-2-10 and '5-5 during processing the project (N-1123045) that resulted in ATCs N-355-2-11 and '5-7.

#### N-355-2

\*\*\*Condition #7 in PTO N-355-2-10\*\*\*

- The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-IIIG dust collector (AC-68) (shared with permit

unit N-355-1); **scalper served by a FLEX-KLEEN MODEL 58USBC144-III dust collector (AC-53)**; two weight feeders (Central and North) served by an American Air Filter Rotoclon Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201]

This condition is revised by removing a reference to the scalper and the dust collector. The condition is now stated as follows:

- The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-IIIG dust collector (AC-68) (shared with permit unit N-355-1); two weight feeders (Central and North) served by an American Air Filter Rotoclon Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201]

The following new conditions are included during the ATC project:

- The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
- The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of startup inspection. [District Rule 2201]
- Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201]
- Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201]

The following conditions have been removed from permit N-355-2, as they are listed in the facility-wide permit requirements.

- No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

N-355-5

\*\*\*Equipment Description in PTO N-355-5-7\*\*\*

- CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

The equipment description is updated by including 'line 4 and associated dust collection system'.

- CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), **LINE 4 BAGGING AND PACKAGING SERVED BY A FLEX-KLEEN MODEL 58USBC144-III DUST COLLECTOR (AC-53)**, 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

\*\*\*Condition #9 in PTO N-355-5-5\*\*\*

- PM10 emissions from this permit unit shall not exceed 0.3 lb/day. [District Rule 2201]

The revised condition is as follows:

- PM10 emissions from this permit unit shall not exceed 0.5 lb/day. [District Rule 2201]

The following new conditions are included during the ATC project:

- The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]

- The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of startup inspection. [District Rule 2201]
- Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201]
- Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201]

## **VII. COMPLIANCE**

In accordance with Rule 2520, 3.20, the proposed project:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include;
  - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
  - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs (Appendix IV) ;

2. The source's suggested draft permit (Appendix I); and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used (Appendix III).

Compliance is expected with this Rule.

**APPENDICES**

Appendix I: Proposed Title V Operating Permit No. N-355-2-12 and '-5-8

Appendix II: Authority to Construct N-355-2-11 and '-5-7

Appendix III: Permit Application

Appendix IV: Emissions Change

Appendix V: Title V Permit to Operate N-355-2-10 and '-5-5



Appendix I  
Proposed Title V Operating Permit No. N-355-2-12 and '-5-8

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-2-12

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
3. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-IIIG dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX KLEEN MODEL 58CTBC14IIIG (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
4. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); a product receiver (AC-21) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor; two day bins (Central and North) and a scalper conveyor all served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

6. The cereal-flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-IIIG dust collector (AC-68) (shared with permit unit N-355-1); two weight feeders (Central and North) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 30.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16 1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24 1656297-7 dust collector (AC-39-2), e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
22. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-5-8

**EXPIRATION DATE:** 04/30/2016

## **EQUIPMENT DESCRIPTION:**

CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), LINE 4 BAGGING AND PACKAGING SERVED BY A FLEX-KLEEN MODEL 58USBC144-III DUST COLLECTOR (AC-53), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

## **PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
4. Visible emissions from baghouses and cyclones that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
5. Dust collection systems shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Baghouse dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
7. PM10 emissions from this permit unit shall not exceed 0.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour. (amended December 17, 1992) [District Rule 4202] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least five years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Appendix II  
Authority to Construct N-355-2-11 and '-5-7



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

## AUTHORITY TO CONSTRUCT

PERMIT NO: N-355-2-11

ISSUANCE DATE: 11/21/2012

**LEGAL OWNER OR OPERATOR:** GENERAL MILLS OPERATIONS, INC  
**MAILING ADDRESS:** ATTN: ACCOUNTS PAYABLE  
PO BOX 1263  
MINNEAPOLIS, MN 55440

**LOCATION:** WADE BROUGHTON  
2000 W TURNER ROAD  
LODI, CA 95242

### EQUIPMENT DESCRIPTION:

MODIFICATION OF CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM: REMOVE SCALPER AND FLEX-KLEEN MODEL 58WSBC144-III DUST COLLECTOR (AC-53)

## CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Sayed Sadiedin, Executive Director / APCO

  
DAVID WARNER, Director of Permit Services

N-355-2-11 : Nov 21 2012 2:38PM - SALINAS - Joint Inspection NOT Required



3. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-IIIG dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX KLEEN MODEL 58CTBC14IIIG (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
4. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); a product receiver (AC-21) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor; two day bins (Central and North) and a scalper conveyor all served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
6. The cereal-flavor spraying and drying system shall consist of the following: enrobbers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-IIIG dust collector (AC-68) (shared with permit unit N-355-1); two weight feeders (Central and North) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 30.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16 1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24 1656297-7 dust collector (AC-39-2), e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
17. The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
18. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201]
19. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201]
20. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.62}$  if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
22. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

## AUTHORITY TO CONSTRUCT

PERMIT NO: N-355-5-7

ISSUANCE DATE: 11/21/2012

LEGAL OWNER OR OPERATOR: GENERAL MILLS OPERATIONS, INC

MAILING ADDRESS: ATTN: ACCOUNTS PAYABLE  
PO BOX 1263  
MINNEAPOLIS, MN 55440

LOCATION: WADE BROUGHTON  
2000 W TURNER ROAD  
LODI, CA 95242

### EQUIPMENT DESCRIPTION:

MODIFICATION OF CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCONE COLLECTOR (AC-104): ADD BAGGING AND PACKAGING LINE SERVED BY A FLEX-KLEEN MODEL 58WSBC144-III DUST COLLECTOR (AC-53)

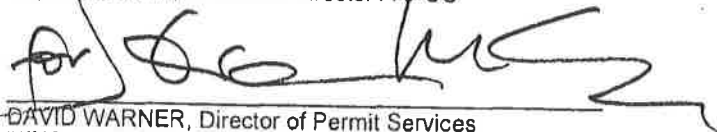
## CONDITIONS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



DAVID WARNER, Director of Permit Services

N-355-5-7 Nov 21 2012 2:38PM - SALINASM : Joint Inspection NOT Required

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5. Visible emissions from each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
6. Visible emissions from baghouses and cyclones that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
7. Dust collection systems shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Baghouse dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
9. PM10 emissions from this permit unit shall not exceed 0.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauges shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201]
11. The differential pressure gauges reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201]
12. Differential operating pressure shall be monitored and recorded on each day that the baghouses operate. [District Rule 2201]
13. Records of all maintenance of the baghouses, including all change outs of filter media, shall be maintained. [District Rule 2201]
14. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
16. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour. (amended December 17, 1992) [District Rule 4202] Federally Enforceable Through Title V Permit
17. All records shall be retained for a period of at least five years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

## Appendix III Permit Application

[www.valleyair.org](http://www.valleyair.org)

☒ ADMINISTRATIVE AMENDMENT

☐ MINOR MODIFICATION

[ ] SIGNIFICANT MODIFICATION

<p>For APCD Use Only</p> <p><b>RECEIVED</b></p> <p>DATE STAMP  <div>DEC 04 2012</div> </p> <p>SJVAPCD  NORTHERN REGION</p>		<p>FILING FEE  RECEIVED: \$ <div>0</div> </p> <p>CHECK#: _____</p> <p>DATE PAID: _____</p> <p>PROJECT NO: <div>N1123695</div> </p> <p>FACILITY ID: <div>N-355</div></p>	
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Central Regional Office • 1990 E Gettysburg Avenue • Fresno, CA 93726-0244 • (559) 230-5900 • FAX (559) 230-6061

**San Joaquin Valley  
Unified Air Pollution Control District**

**TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM**

**I. TYPE OF PERMIT ACTION** (Check appropriate box)

☐ SIGNIFICANT PERMIT MODIFICATION

☐ MINOR PERMIT MODIFICATION

☒ ADMINISTRATIVE  
AMENDMENT

COMPANY NAME: General Mills Operations, Inc.	FACILITY ID: N - 355
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: General Mills Operations, Inc.	
3. Agent to the Owner:	

**II. COMPLIANCE CERTIFICATION** (Read each statement carefully and initial all circles for confirmation):

☒ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).

☒ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.

☒ Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.

☒ Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

  
Signature of Responsible Official

November 30, 2012  
Date

Jason Schierling  
Name of Responsible Official (please print)

Plant Manager  
Title of Responsible Official (please print)

## Appendix IV Emissions Change



## Emissions Change

Emissions changes noted under ATC project N-1123045 are summarized in the following table.

### N-355-2-11

Emissions Change			
Pollutant	Annual PE2 (lb/yr)	Annual PE1 (lb/yr)	Quarterly IPE (lb/qtr)
NOx	0	0	0
SOx	0	0	0
PM <sub>10</sub>	11,133	11,133	0
CO	0	0	0
VOC	0	0	0

### N-355-5-7

Emissions Change			
Pollutant	Annual PE2 (lb/yr)	Annual PE1 (lb/yr)	Quarterly IPE (lb/qtr)
NOx	0	0	0
SOx	0	0	0
PM <sub>10</sub>	183	110	18.25
CO	0	0	0
VOC	0	0	0

Appendix V  
Title V Permit to Operate N-355-2-10 and '-5-5

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-2-10

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

CEREAL PLANT (PUFF I) CONSISTING OF A MATERIAL DISPENSING SYSTEM, A MATERIAL COOKING SYSTEM, A PUFF SYSTEM, A CEREAL-FLAVOR SPRAYING AND DRYING SYSTEM, AND A FINISHED CEREAL SCALPING AND CONVEYANCE SYSTEM.

## PERMIT UNIT REQUIREMENTS

---

1. Particulate matter emissions shall not exceed 0.1 grain/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the exhaust of each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The material dispensing system shall consist of the following: flour dispensing from bulk storage silo to day bins served by a FLEX-KLEEN MODEL 36CTBC18-IIIG dust collector (AC-60); flour scale aspirator served by a FLEX-KLEEN MODEL 36BVBC36-III-G dust collector (AC-61); material dispensing from bin #57 to day bins served by a shared HAF EQUIPMENT MODEL 36CF14S3G dust collector (AC-77) (shared with permit unit N-355-1); dry sweetener dispensing from bulk storage silo to day bins served by a shared FLEX KLEEN MODEL 58CTBC14IIIG (AC-78) (shared with permit unit N-355-1) and FLEX-KLEEN MODEL 10PBVBL9II dust collectors (AC-2); wet dough fines dispensing operation served by a FLEX-KLEEN MODEL 58-CTBS-8-II dust collector (AC-64); day bins served by an AERODYNE MODEL 12104-4 dust collector (AC-4); mixer served by an AERODYNE MODEL 120060088 dust collector (AC-11); regrinds dispensing to a mixer served by a MAC MODEL 88-AVR-06-026 dust collector (AC-80); wheat germ dispensing from bins to mixed-material product receiver served by a MAC MODEL 36AVR14-III dust collector (AC-45); mixed-material product receiver served by a HAF EQUIPMENT MODEL 58CT3283 dust collector (AC-101). [District Rule 2201] Federally Enforceable Through Title V Permit
4. The material cooking system shall consist of the following: transition hopper supplying mixed material to cookers served by a HAF EQUIPMENT MODEL 18BV4 dust collector (AC-103); steam-jacketed cookers, receiver and steam-heated dryer served by a BOEDECKER DCP-30-196M168-38-G dust collector (AC-15); a product receiver (AC-21) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1); a cyclone receiver and dry dough handling system consists of a screw conveyor and five electrically-heated conveyors served by a shared AAF-ROTOCLONE MODEL W12 WET-TYPE dust collector (AC-26) (shared with permit unit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The puff system shall consist of the following: five permit-exempt natural gas-fired superheaters (0.5 MMBTU/HR each) serving five puff-formers; five post-former cyclone receivers delivering product to a scalper on 3rd floor; two day bins (Central and North) and a scalper conveyor all served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

6. The cereal-flavor spraying and drying system shall consist of the following: enrobers served by a DUCON MODEL UW3-30 WET-TYPE dust collector (AC-42); steam-heated dryer served by an AAF-ROTOCLONE WRC16 1656297-5 WET-TYPE dust collector (AC-39-1) and an AAF-ROTOCLONE WRC24 1656297-7 WET-TYPE dust collector (AC-39-2) on cooler side; and steam-heated dryer served by an AAF-ROTOCLONE W33 WET-TYPE dust collector (AC-41). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The finished cereal scalp and conveyance system shall consist of the following: finish cereal conveyors served by a shared FLEX-KLEEN MODEL 58WSBC81-III dust collector (AC-44) (shared with permit unit N-355-1); scalper served by a shared FLEX-KLEEN 58CTBC54-IIIG dust collector (AC-68) (shared with permit unit N-355-1); scalper served by a FLEX-KLEEN MODEL 58USBC144-III dust collector (AC-53); two weight feeders (Central and North) served by an American Air Filter Rotoclone Model B Arrangement A Type W Size 20 Wet-Type dust collector (AC-106, shared with other emission units listed in this permit and permit N-355-1). [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from this permit unit shall not exceed 30.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall maintain the following water flow rates: a.) at least 1.0 gpm for AAF-Rotoclone Model W12 dust collector (AC-26), b.) at least 1.8 gpm for Ducon Model UW3-30 dust collector (AC-42), c.) at least 2.0 gpm for AAF-Rotoclone Model WRC16 1656297-5 dust collector (AC-39-1), d.) at least 3.5 gpm for AAF-Rotoclone Model WRC24 1656297-7 dust collector (AC-39-2), e.) at least 4.0 gpm for AAF Model W33 dust collector (AC-41), and f.) at least 3.5 gpm for the American Air Filter Rotoclone Model B Arrangement A Type W Size 20 WET-TYPE dust collector (AC-106, shared with N-355-2). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from each dust collector (wet or dry) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The cleaning frequency and duration of each dust collector (wet or dry) shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector (dry), and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions from cyclones and dust collectors (wet or dry) that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Cyclones and dust collectors (wet or dry) shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Dust collector (dry) filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of cyclones and dust collectors (wet or dry) maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour (amended December 17, 1992). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Water flow rate of each dust collector (wet) shall be monitored and recorded quarterly during operation of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-355-5-5

**EXPIRATION DATE:** 04/30/2016

## **EQUIPMENT DESCRIPTION:**

CEREAL PLANT PACKAGING SYSTEM: TWIN PACK LINE A SERVED BY A FLEX-KLEEN MODEL 20 PCBK3 III DUST COLLECTOR (AC-48), TWIN PACK LINE B SERVED BY A FLEX-KLEEN MODEL 20 PCBL3 III DUST COLLECTOR (AC-49), 8 SCALES SERVED BY 4 BOEDECKER MODEL DC-58-144-3B DUST COLLECTORS (2 SCALES/DUST COLLECTOR), 8 BAGGERS EACH SERVED BY A DEDICATED BOEDECKER MODEL RDP-25-3-3-B DUST COLLECTOR, WHICH ARE ALL VENTED TO A FLEX-KLEEN CYCLONIC RECEIVER WITH SOCK FILTER (AC-89), CEREAL FILLING STATION (A-104) SERVED BY A DUST COLLECTION HOOD VENTED TO AN AMERICAN AIR FILTER MODEL B WET TYPE ROTOCLONE COLLECTOR (AC-104)

## **PERMIT UNIT REQUIREMENTS**

---

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Visible emissions from each dust collector (wet or dry) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Visible emissions from baghouses and cyclones that are in operation shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Dust collection systems shall be completely inspected annually for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Baghouse dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. PM10 emissions from this permit unit shall not exceed 0.3 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records sufficient to demonstrate compliance with each emission limit and permit requirement. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
11. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour.(amended December 17, 1992) [District Rule 4202] Federally Enforceable Through Title V Permit
13. All records shall be retained for a period of at least five years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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